

adinstbpm - Task #23737

Milestone # 23736 (Closed): IOTA ACNET Interface Change Requests Dec 2019

Change the data returned in the [0] element of the BPM TBT array device

12/09/2019 02:28 PM - John Diamond

Status:	Closed	Start date:	12/09/2019
Priority:	Normal	Due date:	
Assignee:	Robert Santucci	% Done:	100%
Category:		Estimated time:	16.00 hours
Target version:		Spent time:	0.00 hour
Description			
<p>Currently the [0] element of the BPM array device returns 1 and [1:8000] returns TBT data. I believe it was originally intended that this element be an average position, but that is no longer required. Nathan and Chip would like to use this element to return some meta data about the reading.</p> <p>They are asking for the following:</p> <p>Bits 0..15 - 16 bit counter than increments (and then rolls-over) on each measurement Bits 16..17 - 2 bit trigger type: 00 - inj, 01 - orbit, 10 - v kick, 11 - h kick Bit 18 - 1 bit saturation flag (to be implemented in firmware)</p>			

History

#1 - 12/09/2019 02:50 PM - John Diamond

- Parent task set to #23736

#2 - 12/09/2019 02:51 PM - John Diamond

- Assignee set to Robert Santucci

#3 - 03/13/2020 08:26 AM - Robert Santucci

- % Done changed from 0 to 100

- Status changed from New to Closed

requirements have changed, first element increments only. saturation is now shown as -888.88 for the reading . no trigger type included